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<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>		ATTORNEY'S DOCKET NUMBER 17455/003001
INTERNATIONAL APPLICATION NO.		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) 10/505,342
INTERNATIONAL FILING DATE		PRIORITY DATE CLAIMED
TITLE OF INVENTION    METHOD FOR PRODUCING ELECTRICAL DEVICE		
APPLICANT(S) FOR DO/EO/US    Takayuki Matsushima et al.		

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a submission under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a submission under 35 U.S.C. 371.
3. ☐ This is an express request to begin national examination procedures (35 U.S.C. 371 (f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The US has been elected (Article 31).
5. ☐ A copy of the International Application as filed (35 U.S.C. 371 (c)(2))
  - a. ☐ is attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application as filed (35 U.S.C. 371 (c)(2)).
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))
  - a. ☐ are attached hereto (required only if not communicated by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371 (c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).
10. ☐ An English language translation of the annexes of the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).

**Items 11 to 20 below concern document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published International Application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☒ Other items or information: A Copy of the International Preliminary Examination Report (English Translation); Copy of Notification of Missing Requirements Under 35 U.S.C. 371 Return Receipt Postcard

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/505,342</b>		INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKET NUMBER <b>17155/003001</b>	
The following fees have been submitted				<b>CALCULATIONS</b>	<b>PTO USE ONLY</b>
21. <input type="checkbox"/> Basic national fee .....\$300				\$	
22. <input type="checkbox"/> Examination fee					
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4) .....\$100				\$	
All other situations .....\$200					
23. <input type="checkbox"/> Search fee					
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....\$100					
International Search Report prepared and provided to the Office .....\$400				\$	
All other situations .....\$500					
<b>TOTAL OF 21, 22 and 23 =</b>				\$	0.00
<input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.					
Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE		
- 100 =	/50 =		x \$250.00		
Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492 (e)).				\$	130.00
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total claims	- 20 =	x		\$	
Independent claims	- 3 =	x		\$	
MULTIPLE DEPENDENT CLAIM(s) (if applicable)			+	\$	
<b>TOTAL OF ABOVE CALCULATIONS =</b>				\$	130.00
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.				\$	
<b>SUBTOTAL =</b>				\$	130.00
Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492 (f)).				+	\$
<b>TOTAL NATIONAL FEE =</b>				\$	130.00
Fee for recording the enclosed assignment (37 CFR 1.21 (h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property				+	\$
<b>TOTAL FEES ENCLOSED =</b>				\$	130.00
				Amount to be refunded:	\$
				Amount to be charged:	\$
06/30/2005 LLANDGRA 00000072 10505342					
01 FC:1617 130.00 NP					
a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.					
b. <input type="checkbox"/> Please charge my Deposit Account No. _____ in the amount of \$ _____ to cover the above fees. A duplicate copy of this sheet is enclosed.					
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 50-0591. A duplicate copy of this sheet is enclosed.					
d. <input checked="" type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.					
NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137 (a) or (b)) must be filed and granted to restore the International Application to pending status.					
SEND ALL CORRESPONDENCE TO:					
				SIGNATURE: <u>Jonathan P. Osha</u>	
				NAME	
CUSTOMER NUMBER: 22511				33,986	
				REGISTRATION NUMBER	

Under the Paperwork Reduction Act of 1995, no person are required to respond to a collection of information unless it displays a valid OMB control number.

<p>Effective on 12/08/2004. Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).</p> <h2 style="text-align: center;">FEE TRANSMITTAL</h2> <h3 style="text-align: center;">For FY 2005</h3>		<p><b>Complete if Known</b></p>	
<input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Application Number	10/505,342-Conf. #5910
		Filing Date	August 20, 2004
		First Named Inventor	Takayuki Matsushima
		Examiner Name	Not Yet Assigned
		Art Unit	N/A
TOTAL AMOUNT OF PAYMENT		(\$)	130.00
		Attorney Docket No.	17155/003001

**METHOD OF PAYMENT** (check all that apply)

☐ Check    ☒ Credit Card    ☐ Money Order    ☐ None    ☐ Other (please identify): \_\_\_\_\_

☒ Deposit Account    Deposit Account Number: 50-0591    Deposit Account Name: Osha · Liang LLP

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below    ☐ Charge fee(s) indicated below, except for the filing fee

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17    ☒ Credit any overpayments

**FEE CALCULATION**

**1. BASIC FILING, SEARCH, AND EXAMINATION FEES**

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

**2. EXCESS CLAIM FEES**

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180

<u>Total Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>	<u>Multiple Dependent Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>
_____ - 20 =	x	_____	=	_____	_____	_____
<u>Indep. Claims</u>	<u>Extra Claims</u>	<u>Fee (\$)</u>	<u>Fee Paid (\$)</u>			
_____ - 3 =	x	_____	=			

**3. APPLICATION SIZE FEE**

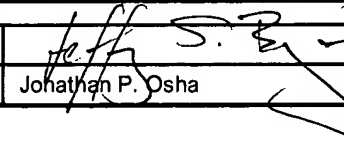
If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
_____ - 100 =	_____ / 50	_____ (round up to a whole number) x	_____	_____

**4. OTHER FEE(S)**

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): 1617 National Stage oath or declaration after thirty ... 130.00

<b>SUBMITTED BY</b>			
Signature		Registration No. (Attorney/Agent)	33,986
Name (Print/Type)	Jonathan P. Osha	Telephone	(713) 228-8600
		Date	June 24, 2005

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as Express Mail, Airbill No. EV703276468US, in an envelope addressed to: MS PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on the date shown below.

Dated: June 24, 2005

Signature:  (Michelle Hayden)

Application No. (if known): 10/505,342

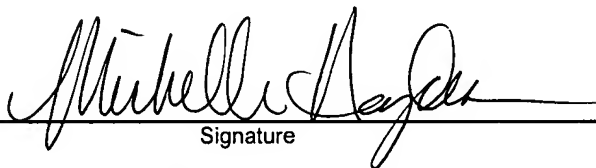
Attorney Docket No.: 17155/003001

## Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. EV703276468US in an envelope addressed to:

MS PCT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

on 24 June 2005  
Date



Signature

Michelle Hayden

Typed or printed name of person signing Certificate

Registration Number, if applicable

(713) 228-8600

Telephone Number

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Fee Transmittal (1 page)  
A Copy of the International Preliminary Examination Report (English Translation) (8 pages)  
Oath or declaration of the inventor(s) (3 pages)  
Transmittal Letter to the United States Designated-Elected Office  
Payment by credit card. Form PTO-2038 is attached  
Charge \$130.00 to credit card

JUN 14 2005



## UNITED STATES PATENT AND TRADEMARK OFFICE

OSHA • LIANG LLP

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/505,342	Takayuki Matsushima	17155/003001

22511  
 OSHA LIANG L.L.P.  
 1221 MCKINNEY STREET  
 SUITE 2800  
 HOUSTON, TX 77010

Docketing	
Action:	Missing Parts (no)
Base Date:	6/9/05
Due Date:	8/9/05
Deadline:	11/9/05
Initials:	JS
Atty./Sec. Initials:	

INTERNATIONAL APPLICATION NO.	
PCT/JP03/01591	
LA. FILING DATE	PRIORITY DATE
02/14/2003	02/21/2002

CONFIRMATION NO. 5910  
 371 FORMALITIES LETTER



\*OC000000016223701\*

Date Mailed: 06/09/2005

**NOTIFICATION OF MISSING REQUIREMENTS UNDER 35 U.S.C. 371 IN THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)**

The following items have been submitted by the applicant or the IB to the United States Patent and Trademark Office as a Designated / Elected Office (37 CFR 1.495).

- Copy of the International Application filed on 08/20/2004
- English Translation of the IA filed on 08/20/2004
- Copy of the International Search Report filed on 08/20/2004
- Copy of IPE Report filed on 08/20/2004
- Information Disclosure Statements filed on 08/20/2004
- Oath or Declaration filed on 08/20/2004
- Request for Immediate Examination filed on 08/20/2004
- U.S. Basic National Fees filed on 08/20/2004
- Priority Documents filed on 08/20/2004

Previously Docketed	
Docketing	
Action:	FILE
Base Date:	5/26/05
Due Date:	6/26/05
Deadline:	6/26/05
Initials:	JS
Atty./Sec. Initials:	

The following items **MUST** be furnished within the period set forth below in order to complete the requirements for acceptance under 35 U.S.C. 371:

- Oath or declaration of the inventors, in compliance with 37 CFR 1.497(a) and (b), identifying the application by the International application number and international filing date. The current oath or declaration does not comply with 37 CFR 1.497(a) and (b) in that it:
  - is not executed in accordance with either 37 CFR 1.66 or 37 CFR 1.68.
- \$130 Surcharge for providing the oath or declaration later than 30 months from the priority date (37 CFR 1.492(e)) is required.

## SUMMARY OF FEES DUE:

Total additional fees required for this application is \$130 for a Large Entity:

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- \$130 Late oath or declaration Surcharge.

ALL OF THE ITEMS SET FORTH ABOVE MUST BE SUBMITTED WITHIN TWO (2) MONTHS FROM THE DATE OF THIS NOTICE OR BY 32 MONTHS FROM THE PRIORITY DATE FOR THE APPLICATION, WHICHEVER IS LATER. FAILURE TO PROPERLY RESPOND WILL RESULT IN ABANDONMENT.

The time period set above may be extended by filing a petition and fee for extension of time under the provisions of 37 CFR 1.136(a).

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

*A copy of this notice **MUST** be returned with the response.*

SHAKEEL AHMED

Telephone: (703) 308-9140 EXT 208

PART 1 - ATTORNEY/APPLICANT COPY

U.S. APPLICATION NUMBER NO.	INTERNATIONAL APPLICATION NO.	ATTY. DOCKET NO.
10/505,342	PCT/JP03/01591	17155/003001

FORM PCT/DO/EO/905 (371 Formalities Notice)

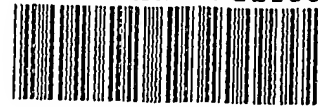
Best Available Copy

Rec'd EST/PTO

21 JUN 2003

PCT Application

PCT/JP2003/001591



## PATENT COOPERATION TREATY

## PCT

## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Translation

Applicant's or agent's file reference SC03PCT2	FOR FURTHER ACTION	See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)
International application No. PCT/JP03/01591	International filing date (day/month/year) 14 February 2003 (14.02.03)	Priority date (day/month/year) 21 February 2002 (21.02.02)
International Patent Classification (IPC) or national classification and IPC C09J 5/00, H05K 3/36, C09J 201/00, 163/00		
Applicant SONY CHEMICALS CORPORATION		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.
2. This REPORT consists of a total of 7 sheets, including this cover sheet.
- ☒ This report is also accompanied by ANNEXES, i.e., sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).
- These annexes consist of a total of 3 sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☐ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☒ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 09 April 2003 (09.04.03)	Date of completion of this report 31 July 2003 (31.07.2003)
Name and mailing address of the IPEA/IP	Authorized officer
Facsimile No.	Telephone No.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/01591

## I. Basis of the report

### 1. With regard to the elements of the international application:\*

- ☐ the international application as originally filed
- ☒ the description:  
 pages 1-14, as originally filed  
 pages , filed with the demand  
 pages , filed with the letter of
- ☒ the claims:  
 pages 2, as originally filed  
 pages , as amended (together with any statement under Article 19  
 pages 1, 4-9, filed with the demand  
 pages , filed with the letter of 18 July 2003 (18.07.2003)
- ☒ the drawings:  
 pages 1-12, as originally filed  
 pages , filed with the demand  
 pages , filed with the letter of
- ☐ the sequence listing part of the description:  
 pages , as originally filed  
 pages , filed with the demand  
 pages , filed with the letter of

### 2. With regard to the language, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

- These elements were available or furnished to this Authority in the following language which is:
- ☐ the language of a translation furnished for the purposes of international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of the translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

### 3. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

### 4. ☒ The amendments have resulted in the cancellation of:

- ☐ the description, pages
- ☒ the claims, Nos. 3
- ☐ the drawings, sheets/fig

### 5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box (Rule 70.2(c)).\*\*

\* Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rule 70.16 and 70.17).

\*\* Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP03/01591

## IV. Lack of unity of invention

1. In response to the invitation to restrict or pay additional fees the applicant has:

- ☐ restricted the claims.
- ☐ paid additional fees.
- ☐ paid additional fees under protest.
- ☐ neither restricted nor paid additional fees.

2. ☒ This Authority found that the requirement of unity of invention is not complied with and chose, according to Rule 68.1, not to invite the applicant to restrict or pay additional fees.

3. This Authority considers that the requirement of unity of invention in accordance with Rules 13.1, 13.2 and 13.3 is

- ☐ complied with.
- ☒ not complied with for the following reasons:

See supplemental sheet

4. Consequently, the following parts of the international application were the subject of international preliminary examination in establishing this report:

- ☒ all parts.
- ☐ the parts relating to claims Nos. \_\_\_\_\_

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## INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/JP 03/01591

## Supplemental Box

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: IV. 3.

The feature common to claims 1, 2 and 4-9 is "a method for manufacturing an electrical device, in which two objects are bonded to each other which are a first object having a first electrode and a second object which has a second electrode which has to be connected with the aforementioned first electrode and fabricating an electric device comprising an aforementioned first connecting object and second connecting object, wherein the method for fabricating an electrical device comprises: a step of forming an adhesive layer by placing an adhesive having a first hardener in which the main constituents are a thermosetting resin and a silane coupling agent on at least the aforementioned first electrode; a step of forming a second hardener layer by placing a hardener in which the main constituent is either a metal chelate or metal alcoholate or both which reacts with the aforementioned first hardener on heating and causes the polymerization of the aforementioned thermosetting resin on at least the second electrode; a step of aligning the positions of the aforementioned first electrode and aforementioned second electrode; a step of bringing the aforementioned adhesive on the aforementioned first object into contact with the aforementioned second hardener on the aforementioned second connecting object; a step of pressing the aforementioned first and second objects and connecting the first and second electrodes as well as polymerizing the aforementioned thermosetting resin by means of heat", set forth in claim 1. However, the results of the international search indicate that the aforementioned common feature could be derived easily by combining

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/01591

**Supplemental Box**

(To be used when the space in any of the preceding boxes is not sufficient)

Continuation of: IV. 3.

disclosures in the documents listed in box V in a manner obvious to a person skilled in the art and, therefore, does not involve an inventive step and cannot be identified as a special technical feature in the sense of PCT Rule 13.2.

Since there is no other common feature which can serve as a special technical feature, Claims 1, 2 and 4-9 do not constitute a group of inventions so linked as to form a single general inventive concept.

# INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.  
PCT/JP 03/01591

## V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

### 1. Statement

Novelty (N)	Claims	1, 2, 4-9	YES
	Claims		NO
Inventive step (IS)	Claims		YES
	Claims	1, 2, 4-9	NO
Industrial applicability (IA)	Claims	1, 2, 4-9	YES
	Claims		NO

### 2. Citations and explanations

- Document 1: JP 7-82533 A (Hitachi Chemical Co., Ltd.), 28 March 1995; claims and paragraphs [0013] and [0016]-[0030] (Family: none)
- Document 2: JP 7-26235 A (Toshiba Chemical Co., Ltd.), 27 January 1995; claims (Family: none)
- Document 3: JP 2001-303013 A (Ube Industries, Ltd.), 31 October 2001; claims and paragraphs [0018]-[0027] (Family: none)
- Document 4: JP 2000-230091 A (Kanegafuchi Chemical Industry Co., Ltd.), 22 August 2000; claims and paragraphs [0025]-[0027] (Family: none)

Document 1 above, cited in the international search report, discloses a bonding method wherein a bonding layer comprising an epoxy-group-containing silane coupling agent and a cyclic epoxy resin is formed on one bonding surface and a bonding layer of a hardening adhesive composition containing a cationic thermopolymerization starter is formed on the other bonding surface, and both bonding surfaces are placed face to face heat and pressure are applied; it also discloses the feature of mixing electrically conductive particles into an aforementioned adhesive when carrying out electrically conductive bonding, and using such an electrically conductive

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No.

PCT/JP 03/01591

adhesive to bond electrodes together.

In addition, documents 2, 3 and 4 above, cited in the international search report, each disclose concurrent use of a silane compound having hydrolysable groups and an aluminium chelate compound or alcoholate in an epoxy type electrically conductive adhesive composition.

Therefore, given the disclosures in documents 2-4, a person skilled in the art could easily conceive of using a hardener system comprising a combination of a silane compound and an aluminium chelate compound or alcoholate instead of a hardener system comprising a silane compound and another hardener in the invention disclosed in document 1; and there is no evident technical contribution from such a substitution. Therefore, the inventions set forth in claims 1, 2 and 4-9 do not involve an inventive step.

## PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

## PCT

NOTIFICATION OF TRANSMITTAL  
OF COPIES OF TRANSLATION  
OF THE INTERNATIONAL PRELIMINARY  
EXAMINATION REPORT

(PCT Rule 72.2)

To:

KOIKE, Akira  
11 Floor, Yamato Seimei Bldg.  
1-7, Uchisaiwai-cho 1-chome  
Chiyoda-ku, Tokyo 100-0011  
JAPON

Date of mailing ( <i>day/month/year</i> ) 16 September 2004 (16.09.2004)	
Applicant's or agent's file reference SC03PCT2	IMPORTANT NOTIFICATION
International application No. PCT/JP2003/001591	International filing date ( <i>day/month/year</i> ) 14 February 2003 (14.02.2003)
Applicant SONY CHEMICALS CORPORATION et al	

## 1. Transmittal of the translation to the applicant.

The International Bureau transmits herewith a copy of the English translation made by the International Bureau of the international preliminary examination report established by the International Preliminary Examining Authority.

## 2. Transmittal of the copy of the translation to the elected Offices.

The International Bureau notifies the applicant that copies of that translation have been transmitted to the following elected Offices requiring such translation:

CN, KR

The following elected Offices, having waived the requirement for such a transmittal at this time, will receive copies of that translation from the International Bureau only upon their request:

US

## 3. Reminder regarding translation into (one of) the official language(s) of the elected Office(s).

The applicant is reminded that, where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report.

It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned (Rule 74.1). See Volume II of the PCT Applicant's Guide for further details.

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